



**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

## **PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Caradeo Windows & Doors**  
**201 Evans Road**  
**Rantoul, IL 61866**

Your application for Notice of Acceptance (NOA) of:

### **Aluminum Clad Wood Fixed Picture Window**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 01-1203.13**  
**EXPIRES: 11/30/2006**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL**  
**CONDITIONS**  
**BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 01/03/2002**



APPROVED: January 3, 2002

EXPIRES: November 30, 2006

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1 This **renews** Notice of Acceptance (NOA) No. **99-0302.01**, which was issued on July 1, 1999. It renews the approval of an aluminum clad wood fixed window, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

- 2.1 The **Series "Radius & Geometric Spandrel" Aluminum Clad Wood Fixed Picture Window – Non-Impact and Impact Resistant** and its components shall be constructed in strict compliance with the following document: Drawing No **W98-80**, Sheets 1 through 8 of 8, titled "Car Clad Wood Fixed Window," prepared by Al Farooq Corporation, dated 10/10/98 and revised on 11/26/01, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

- 3.1 This approval applies to single unit applications and also side-by-side or top-and-bottom installations, as shown in approved drawings.

**4. INSTALLATION**


- 4.1 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

**5. LABELING**

- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

**6. BUILDING PERMIT REQUIREMENTS**

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
  - 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
  - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division

APPROVED: January 3, 2002

EXPIRES: November 30, 2006

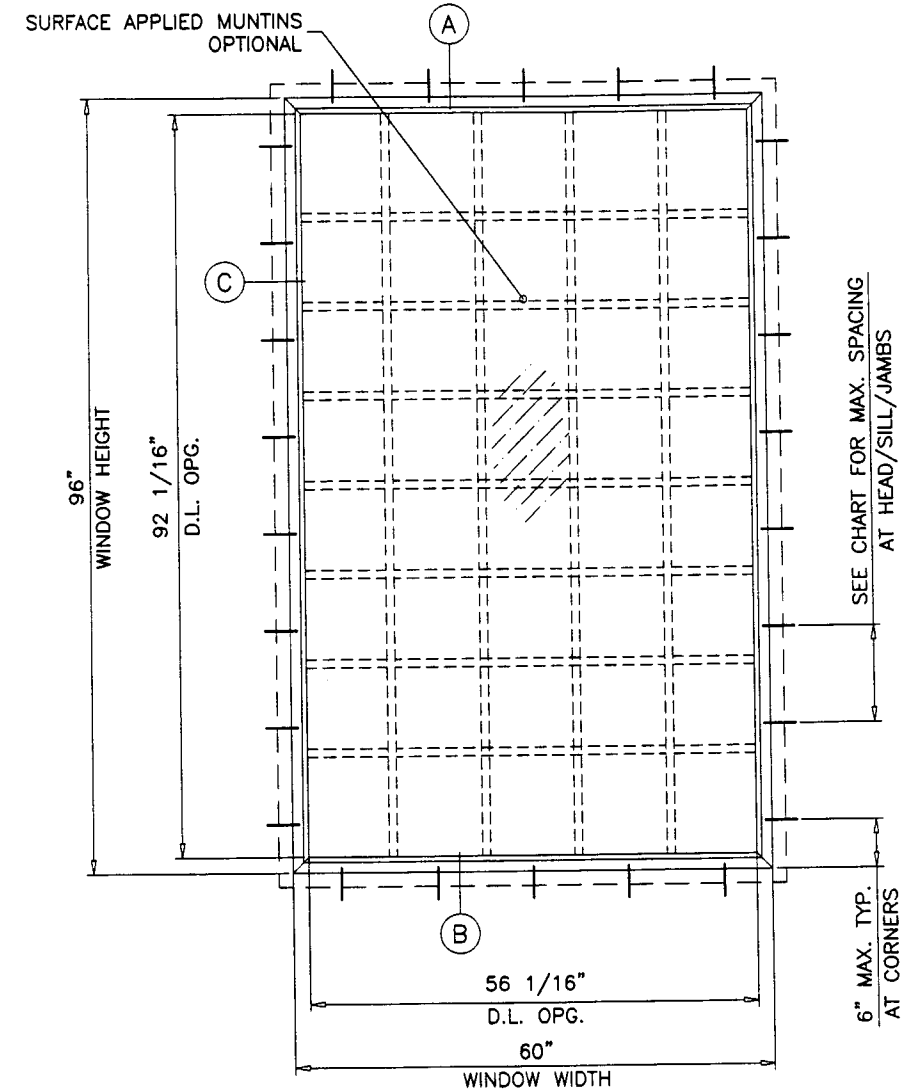
**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**

  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division

DESIGN LOAD CAPACITY(PSF)      IMPACT RESISTANT WINDOWS SHUTTERS NOT REQUIRED															
WINDOW DIM.		IMPACT GLASS TYPE '2'		IMPACT GLASS TYPE '3'						IMPACT GLASS TYPE '4'					
		PERIMETER ANCHOR SPACING		PERIMETER ANCHOR SPACING						PERIMETER ANCHOR SPACING					
		24" O.C.		12" O.C.		18" O.C.		24" O.C.		12" O.C.		18" O.C.		24" O.C.	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24'	24"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	30"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	36"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	42"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	48"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	54"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	60"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	66"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
72"	60.0	72.1	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	
36'	24"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	30"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	36"	60.0	71.5	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	42"	60.0	60.4	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	48"	53.3	53.3	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	54"	47.2	47.2	60.0	75.0	60.0	75.0	60.0	72.8	60.0	75.0	60.0	75.0	60.0	72.8
	60"	42.2	42.2	60.0	75.0	60.0	75.0	60.0	63.7	60.0	75.0	60.0	75.0	60.0	63.7
	66"	38.5	38.5	60.0	75.0	60.0	75.0	60.0	63.7	60.0	75.0	60.0	75.0	60.0	63.7
72"	34.6	34.6	60.0	75.0	60.0	75.0	60.0	63.7	60.0	75.0	60.0	75.0	60.0	63.7	
48'	24"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	30"	60.0	64.7	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	36"	53.3	53.3	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	42"	51.4	56.2	60.0	75.0	60.0	72.8	60.0	72.8	60.0	75.0	60.0	72.8	60.0	72.8
	48"	45.0	50.8	60.0	75.0	60.0	63.7	60.0	63.7	60.0	75.0	60.0	63.7	60.0	63.7
	54"	45.0	45.6	60.0	71.4	60.0	63.7	54.6	54.6	60.0	75.0	60.0	63.7	54.6	54.6
	60"	-	-	60.0	63.7	60.0	63.7	47.8	47.8	60.0	75.0	60.0	63.7	47.8	47.8
	66"	-	-	57.2	57.2	57.2	57.2	47.8	47.8	60.0	75.0	60.0	63.7	47.8	47.8
72"	-	-	52.0	52.0	52.0	52.0	47.8	47.8	60.0	75.0	60.0	63.7	47.8	47.8	
60'	24"	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	30"	52.2	52.2	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	36"	42.2	42.2	60.0	75.0	60.0	75.0	60.0	63.7	60.0	75.0	60.0	75.0	60.0	63.7
	42"	45.6	45.6	60.0	74.1	60.0	72.8	54.6	54.6	60.0	75.0	60.0	72.8	54.6	54.6
	48"	-	-	60.0	63.7	60.0	63.7	47.8	47.8	60.0	75.0	60.0	63.7	47.8	47.8
	54"	-	-	55.6	55.6	55.6	55.6	42.4	42.4	60.0	75.0	56.6	56.6	42.4	42.4
	60"	-	-	59.0	59.0	50.9	50.9	38.2	38.2	60.0	75.0	50.9	50.9	38.2	38.2
	66"	-	-	53.6	53.6	50.9	50.9	38.2	38.2	60.0	70.8	50.9	50.9	38.2	38.2
72"	-	-	49.6	49.6	49.6	49.6	38.2	38.2	60.0	64.5	50.9	50.9	38.2	38.2	
72'	24"	60.0	72.1	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	30"	46.0	46.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	36"	34.6	34.6	60.0	75.0	60.0	75.0	60.0	63.7	60.0	75.0	60.0	75.0	60.0	63.7
	42"	-	-	60.0	61.9	60.0	61.9	54.6	54.6	60.0	75.0	60.0	72.8	54.6	54.6
	48"	-	-	52.0	52.0	52.0	52.0	47.8	47.8	60.0	75.0	60.0	63.7	47.8	47.8
	54"	-	-	45.7	45.7	45.7	45.7	42.4	42.4	60.0	72.4	56.6	56.6	42.4	42.4
	60"	-	-	49.6	49.6	49.6	49.6	38.2	38.2	60.0	64.5	50.9	50.9	38.2	38.2
	66"	-	-	45.6	45.6	45.6	45.6	34.7	34.7	54.5	58.0	46.3	46.3	34.7	34.7
72"	-	-	42.8	42.8	42.4	42.4	31.8	31.8	50.0	52.7	42.4	42.4	31.8	31.8	
84'	24"	60.0	67.6	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	30"	42.8	42.8	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	36"	-	-	60.0	68.4	60.0	68.4	60.0	63.7	60.0	75.0	60.0	75.0	60.0	63.7
	42"	-	-	53.5	53.5	53.5	53.5	53.5	53.5	60.0	75.0	60.0	72.8	54.6	54.6
	48"	-	-	44.5	44.5	44.5	44.5	44.5	44.5	60.0	72.1	60.0	63.7	47.8	47.8
	54"	-	-	39.4	39.4	39.4	39.4	39.4	39.4	60.0	61.9	56.6	56.6	42.4	42.4
	60"	-	-	43.3	43.3	43.3	43.3	38.2	38.2	54.6	54.6	50.9	50.9	38.2	38.2
	66"	-	-	40.0	40.0	40.0	40.0	34.7	34.7	49.0	49.0	46.3	46.3	34.7	34.7
96'	24"	60.0	66.9	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	30"	-	-	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0
	36"	-	-	60.0	64.1	60.0	64.1	60.0	63.7	60.0	75.0	60.0	75.0	60.0	63.7
	42"	-	-	47.6	47.6	47.6	47.6	47.6	47.6	60.0	75.0	60.0	72.8	54.6	54.6
	48"	-	-	39.5	39.5	39.5	39.5	39.5	39.5	60.0	66.2	60.0	63.7	47.8	47.8
	54"	-	-	34.6	34.6	34.6	34.6	34.6	34.6	54.5	54.5	54.5	54.5	42.4	42.4
60"	-	-	37.4	37.4	37.4	37.4	37.4	37.4	47.6	47.6	47.6	47.6	38.2	38.2	



TYPICAL ELEVATION  
TESTED UNIT (IMPACT)

SEE SHEET 3 FOR ALTERNATE SHAPES AVAILABLE

## PICTURE WINDOWS CLAD RADIUS & GEOMETRIC SPANDREL

### NOTES

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. ANCHORING OR LOADING CONDITION NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

**PRODUCT RENEWED**

ACCEPTANCE No. 01-1203.13

EXPIRATION DATE November 30, 2006

NOV 27 2001

PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W98-80CO

**'CAR CLAD' WOOD FIXED WINDOW**  
**CARADCO** WOOD WINDOWS & PATIO DOORS  
201 EVANS ROAD  
RANTOUL, ILLINOIS 61866  
TEL. (217) 893-4444 FAX (217) 893-0921

revisions:	no	date	description
	A	06.09.99	SHEETS 7 & 8 REV.
	B	11.26.01	CHARTS REV. PER ASTM E-1300 GLASS TYPES REV.

date: 10-10-98  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.

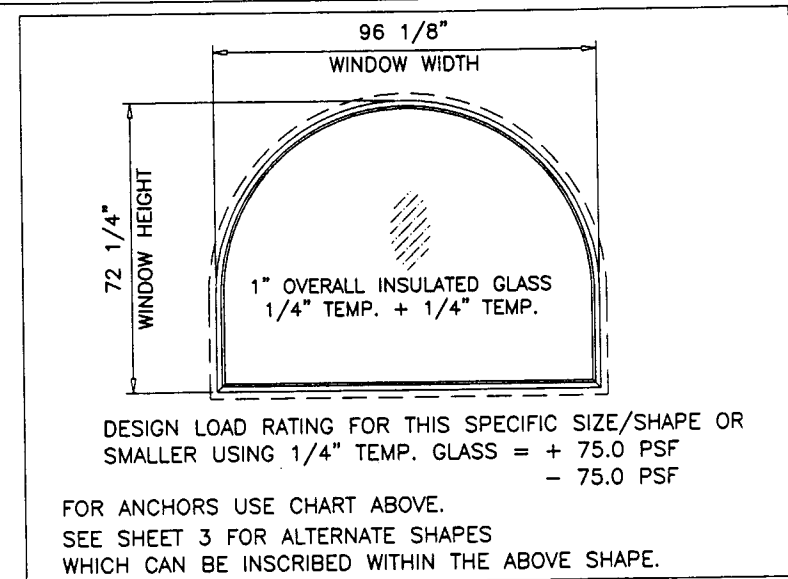
**W98-80**

sheet 1 of 8

DESIGN LOAD CAPACITY - PSF															
NON-IMPACT WINDOWS DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQD.															
WINDOW DIMS.		WINDOWS FITTED WITH INSULATED GLASS								PERIMETER ANCHORS SPACED AS SHOWN					
		DSB-ANN.		5/32"-ANN.		3/16"-ANN.		3/16"-TEMP.		# 10 S.M.S.			3/16" TAPCONS		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	12'	18'	24'	12'	18'	24'
24"	24"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	119.0	79.3	59.5	191.0	127.3	95.5
	36"	75.0	75.0	93.8	93.8	100.0	100.0	100.0	100.0	119.0	79.3	59.5	191.0	127.3	95.5
	48"	66.7	66.7	83.3	83.3	100.0	100.0	100.0	100.0	119.0	79.3	59.5	191.0	127.3	95.5
	60"	53.1	53.1	78.1	78.1	93.8	93.8	93.8	93.8	119.0	79.3	59.5	191.0	127.3	95.5
	72"	45.9	45.9	73.1	73.1	90.0	90.0	90.0	90.0	119.0	79.3	59.5	191.0	127.3	95.5
	84"	41.8	41.8	68.8	68.8	87.5	87.5	87.5	87.5	119.0	79.3	59.5	191.0	127.3	95.5
	96"	41.0	41.0	68.9	68.9	85.7	85.7	85.7	85.7	119.0	79.3	59.5	191.0	127.3	95.5
30"	24"	83.3	83.3	100.0	100.0	100.0	100.0	100.0	100.0	119.0	79.3	59.5	191.0	127.3	95.5
	36"	68.6	68.6	85.7	85.7	100.0	100.0	100.0	100.0	95.2	63.5	47.6	152.8	101.9	76.4
	48"	58.2	58.2	72.7	72.7	87.3	87.3	87.3	87.3	95.2	63.5	47.6	152.8	101.9	76.4
	60"	47.7	47.7	62.5	62.5	80.0	80.0	80.0	80.0	95.2	63.5	47.6	152.8	101.9	76.4
	72"	35.8	35.8	50.6	50.6	70.9	70.9	75.8	75.8	95.2	63.5	47.6	152.8	101.9	76.4
	84"	-	-	45.2	45.2	63.4	63.4	73.0	73.0	95.2	63.5	47.6	152.8	101.9	76.4
	96"	-	-	42.3	42.3	60.1	60.1	71.1	71.1	95.2	63.5	47.6	152.8	101.9	76.4
36"	24"	75.0	75.0	93.8	93.8	100.0	100.0	100.0	100.0	119.0	79.3	59.5	191.0	127.3	95.5
	36"	66.7	66.7	83.3	83.3	100.0	100.0	100.0	100.0	79.3	52.9	-	127.3	84.9	63.7
	48"	53.3	53.3	66.7	66.7	80.0	80.0	80.0	80.0	79.3	52.9	-	127.3	84.9	63.7
	60"	47.2	47.2	59.5	59.5	71.4	71.4	71.4	71.4	79.3	52.9	-	127.3	84.9	63.7
	72"	-	-	46.4	46.4	57.2	57.2	66.7	66.7	79.3	52.9	-	127.3	84.9	63.7
	84"	-	-	39.2	39.2	48.8	48.8	63.6	63.6	79.3	52.9	-	127.3	84.9	63.7
	96"	-	-	32.2	32.2	42.5	42.5	61.5	61.5	79.3	52.9	-	127.3	84.9	63.7
42"	24"	70.0	70.0	87.5	87.5	100.0	100.0	100.0	100.0	119.0	79.3	59.5	191.0	127.3	95.5
	36"	58.3	58.3	72.9	72.9	87.5	87.5	87.5	87.5	79.3	52.9	-	127.3	84.9	63.7
	48"	50.8	50.8	63.5	63.5	76.2	76.2	76.2	76.2	68.0	45.3	-	109.1	72.8	54.6
	60"	-	-	54.9	54.9	65.9	65.9	65.9	65.9	68.0	45.3	-	109.1	72.8	54.6
	72"	-	-	47.0	47.0	56.3	56.3	60.5	60.5	68.0	45.3	-	109.1	72.8	54.6
	84"	-	-	36.9	36.9	44.3	44.3	57.1	57.1	68.0	45.3	-	109.1	72.8	54.6
	96"	-	-	-	-	38.7	38.7	54.9	54.9	68.0	45.3	-	109.1	72.8	54.6
48"	24"	66.7	66.7	83.3	83.3	100.0	100.0	100.0	100.0	119.0	79.3	59.5	191.0	127.3	95.5
	36"	53.3	53.3	66.7	66.7	80.0	80.0	80.0	80.0	79.3	52.9	-	127.3	84.9	63.7
	48"	47.5	47.5	62.5	62.5	75.0	75.0	75.0	75.0	59.5	-	-	95.5	63.7	47.8
	60"	-	-	52.1	52.1	62.5	62.5	62.5	62.5	59.5	-	-	95.5	63.7	47.8
	72"	-	-	43.6	43.6	53.5	53.5	56.3	56.3	59.5	-	-	95.5	63.7	47.8
	84"	-	-	-	-	45.4	45.4	52.5	52.5	59.5	-	-	95.5	63.7	47.8
	96"	-	-	-	-	36.4	36.4	50.0	50.0	59.5	-	-	95.5	63.7	47.8
54"	24"	60.1	60.1	80.4	80.4	96.4	96.4	96.4	96.4	119.0	79.3	59.5	191.0	127.3	95.5
	36"	50.0	50.0	62.5	62.5	75.0	75.0	75.0	75.0	79.3	52.9	-	127.3	84.9	63.7
	48"	-	-	56.3	56.3	67.5	67.5	67.5	67.5	59.5	-	-	95.5	63.7	47.8
	60"	-	-	47.3	47.3	59.9	59.9	60.6	60.6	52.9	-	-	84.9	56.6	42.4
	72"	-	-	-	-	50.9	50.9	53.3	53.3	52.9	-	-	84.9	56.6	42.4
	84"	-	-	-	-	42.8	42.8	49.1	49.1	52.9	-	-	84.9	56.6	42.4
	96"	-	-	-	-	36.9	36.9	46.4	46.4	52.9	-	-	84.9	56.6	42.4

DESIGN LOAD CAPACITY - PSF															
NON-IMPACT WINDOWS DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQD.															
WINDOW DIMS.		WINDOWS FITTED WITH INSULATED GLASS								PERIMETER ANCHORS SPACED AS SHOWN					
		DSB-ANN.		5/32"-ANN.		3/16"-ANN.		3/16"-TEMP.		# 10 S.M.S.			3/16" TAPCONS		
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	12'	18'	24'	12'	18'	24'
60"	24"	53.1	53.1	78.1	78.1	93.8	93.8	93.8	93.8	119.0	79.3	59.5	191.0	127.3	95.5
	36"	47.2	47.2	59.5	59.5	71.4	71.4	71.4	71.4	79.3	52.9	-	127.3	84.9	63.7
	48"	-	-	52.1	52.1	62.5	62.5	62.5	62.5	59.5	-	-	95.5	63.7	47.8
	60"	-	-	43.6	43.6	55.6	55.6	60.0	60.0	47.6	-	-	76.4	50.9	-
	72"	-	-	-	-	46.4	46.4	51.4	51.4	47.6	-	-	76.4	50.9	-
	84"	-	-	-	-	38.7	38.7	46.7	46.7	47.6	-	-	76.4	50.9	-
66"	24"	49.3	49.3	76.4	76.4	91.7	91.7	91.7	91.7	119.0	79.3	59.5	191.0	127.3	95.5
	36"	45.9	45.9	55.4	55.4	66.8	66.8	68.8	68.8	79.3	52.9	-	127.3	84.9	63.7
	48"	-	-	48.1	48.1	58.9	58.9	58.9	58.9	59.5	-	-	95.5	63.7	47.8
	60"	-	-	-	-	50.8	50.8	55.0	55.0	47.6	-	-	76.4	50.9	-
	72"	-	-	-	-	43.0	43.0	50.3	50.3	43.3	-	-	69.5	46.3	-
72"	24"	-	-	73.1	73.1	90.0	90.0	90.0	90.0	119.0	79.3	59.5	191.0	127.3	95.5
	36"	-	-	46.4	46.4	57.2	57.2	66.7	66.7	79.3	52.9	-	127.3	84.9	63.7
	48"	-	-	43.6	43.6	53.5	53.5	56.3	56.3	59.5	-	-	95.5	63.7	47.8
	60"	-	-	-	-	46.4	46.4	51.4	51.4	47.6	-	-	76.4	50.9	-
	72"	-	-	-	-	40.0	40.0	50.0	50.0	-	-	-	63.7	42.4	-

MATCH DESIGN LOAD REQUIREMENTS ON SHOWN SIZES TO GLASS AND ANCHOR TYPE/SPACING AS SHOWN ON TABLE.



**PRODUCT RENEWED**

ACCEPTANCE No. 01-1203.13  
EXPIRATION DATE November 30, 2006  
By [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

NOV 27 2001

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 262-6978 FAX. (305) 262-6978  
COMP-ANL\W98-80CO

'CAR CLAD' WOOD FIXED WINDOW

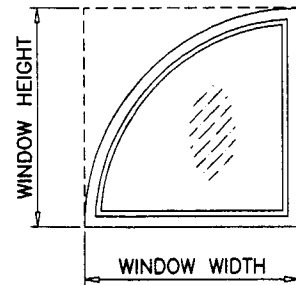
**CARADCO** WOOD WINDOWS & PATIO DOORS  
201 EVANS ROAD  
RANTOUL, ILLINOIS 61866  
TEL. (217) 893-4444 FAX (217) 893-0921

revisions:

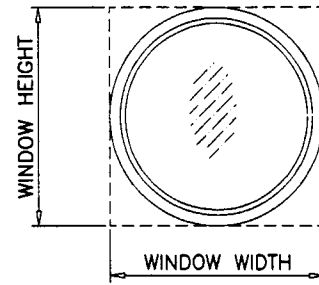
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chk. by:

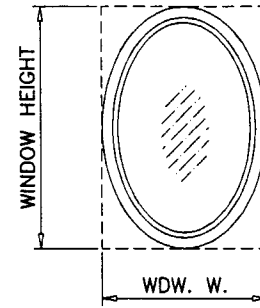
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**W98-80**  
sheet 2 of 8



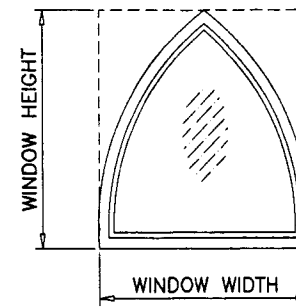
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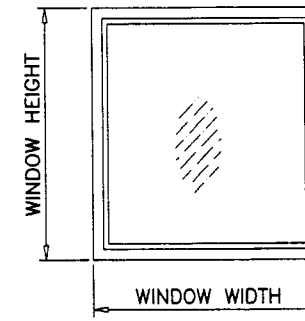
FULL ROUND



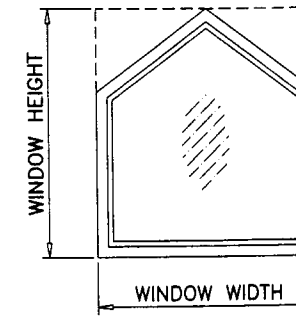
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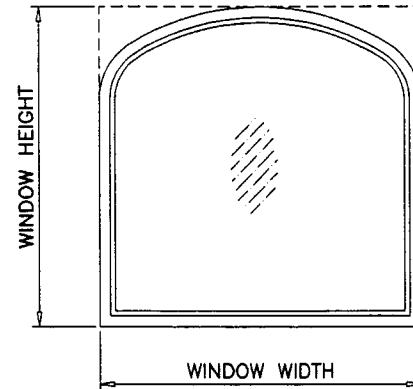
GOTHIC HEAD



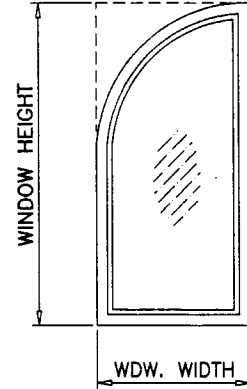
RECTANGLE



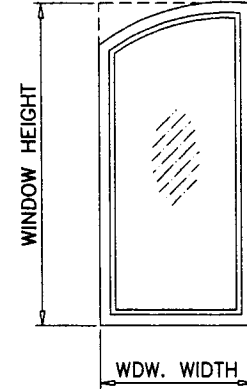
PENTAGON



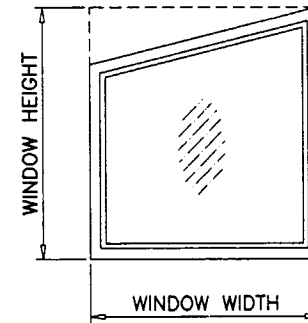
ELLIPTICAL ARCH



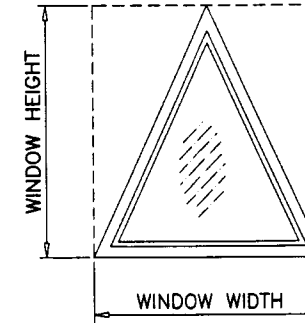
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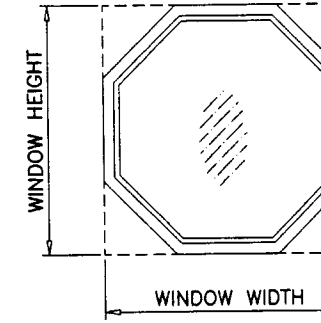
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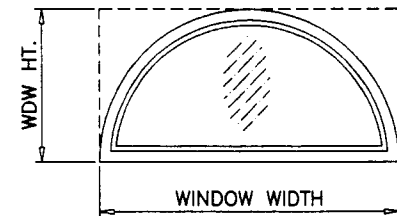
TRAPEZOID



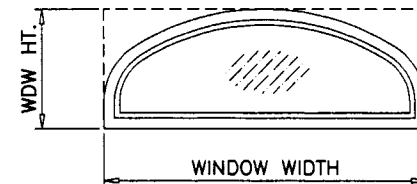
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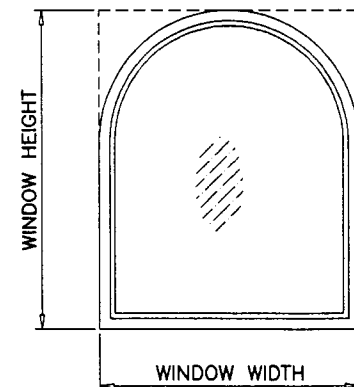
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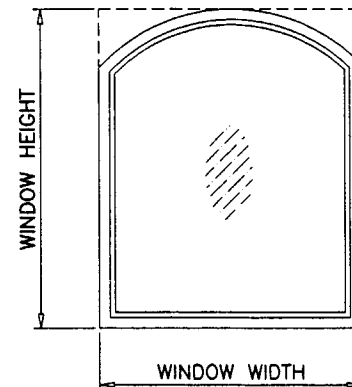
ROUND TOP



ELLIPTICAL TOP



STANDING ARCH



SEGMENT HEAD

GEOMETRIC SHAPES AS SHOWN CAN BE CHECKED BY INSCRIBING WITHIN A RECTANGLE AS SHOWN IN DOTTED LINES AND USING THAT RECTANGULAR SHAPE TO ENTER CHARTS ON SHEETS 1 AND 2.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

NOV 27 2001

**PRODUCT RENEWED**

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By   
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

**AL-FAROOQ CORPORATION**  
ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
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COMP-ANL\W98-80CO

**'CAR CLAD' WOOD FIXED WINDOW**  
**CARADCO** WOOD WINDOWS & PATIO DOORS  
201 EVANS ROAD  
RANTOUL, ILLINOIS 61866  
TEL. (217) 893-4444 FAX (217) 893-0921

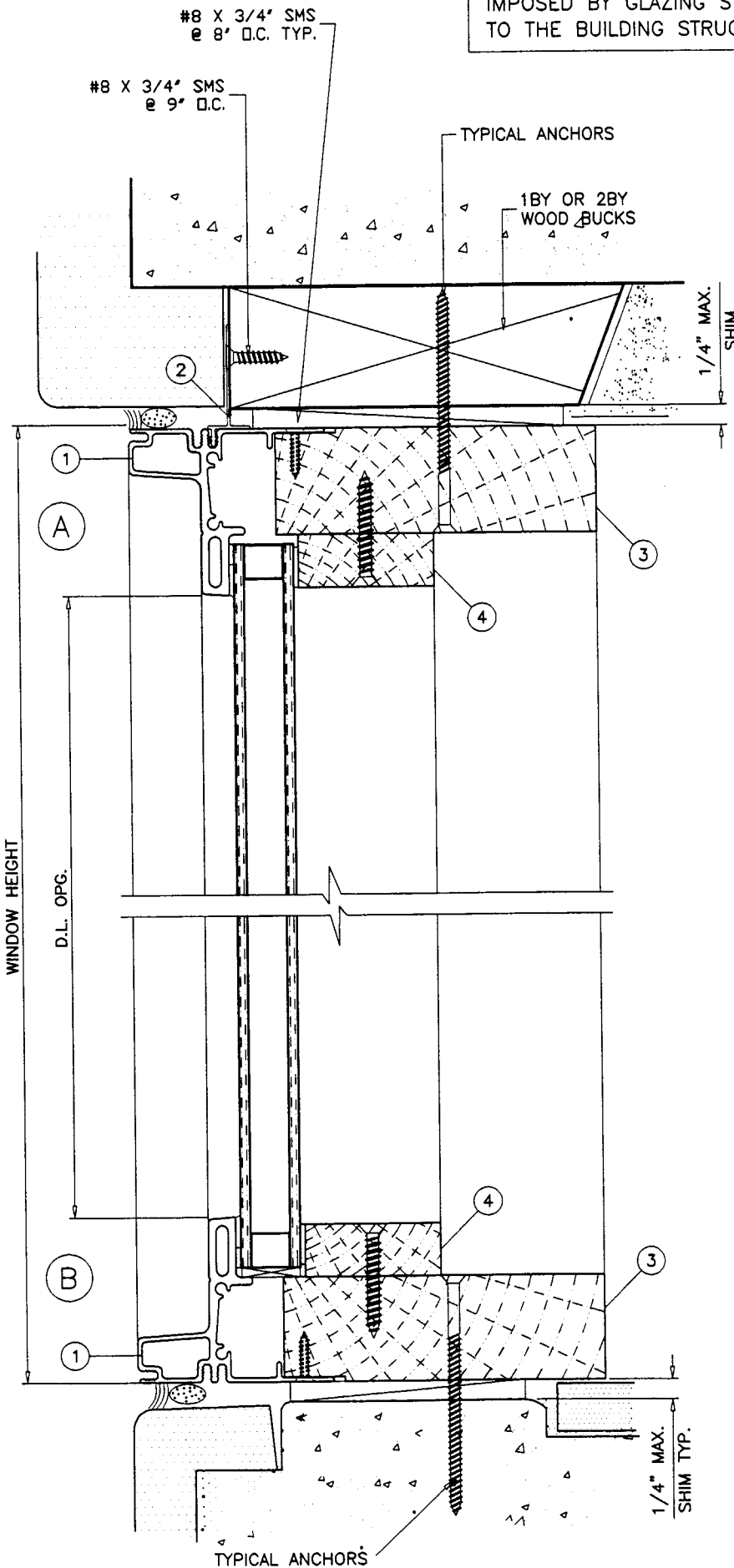
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no	date

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scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:  

drawing no.  
**W98-80**

sheet 3 of 8

EXTERIOR  
WINDOW HEIGHT



WOOD BUCKS NOT BY CARADCO, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

ITEM #	REQD.	PART #	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	AS REQD.	88614	FRAME NOSING	6063-T5	CARADCO
2	AS REQD.	88011-F	FRAME FIN	PVC	CARADCO
3	AS REQD.	88042-1	FRAME	WOOD	CARADCO
4	AS REQD.	-	GLAZING STOP	-	*
5	AS REQD.	-	SETTING BLOCK	NEOPRENE	1/8" X 3/4" X 6"
6	1/MULLION	PP25	MULLION CONNECTOR	6063-T5	CARADCO
7	AS REQD.	-	SINGLE SIDED GLAZING TAPE (1/16" X 1/2")	-	VOLARA
8	AS REQD.	-	DOUBLE SIDED GLAZING TAPE (1/16" X 1/4")	-	-
9	AS REQD.	-	SEALANT	SILICONE	NOVAFLEX SB

\* .700 X 1.688 LAMINATED WESTERN PINE AT CURVED PORTIONS P.N. 82424-1  
.656 X 1.688 WESTERN PINE AT STRAIGHT PORTIONS P.N. 88425-1

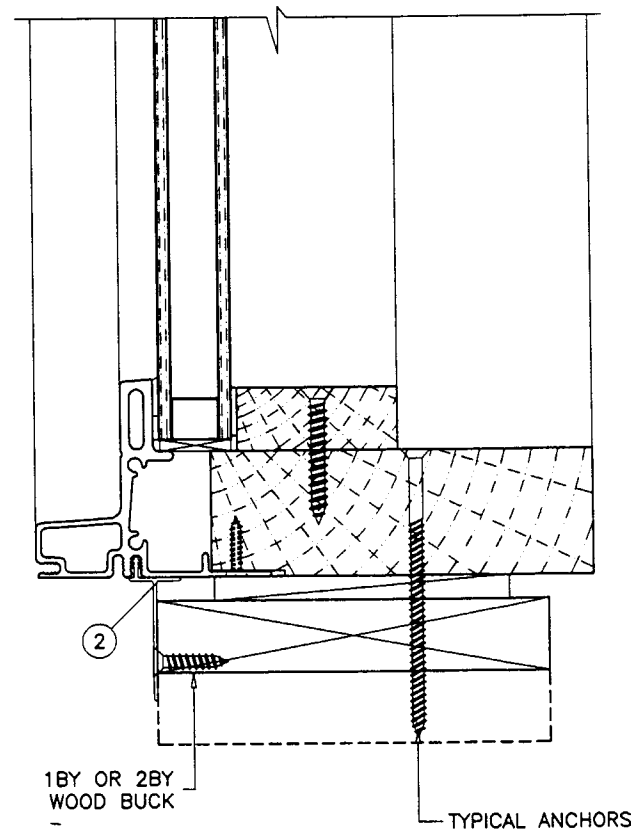
#### TYPICAL ANCHORS:

- A) # 10 SMS OR 3/16" TAPCONS INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-3/8" MIN. PENETRATION INTO WOOD
- B) 3/16" Ø TAPCONS (BY ELCO) OR EQUIV. CONC. ANCHOR HOLDING CURRENT NOTICE OF ACCEPTANCE. THRU 1 BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#### SPACING:

AT 12", 18" OR 24" O.C. AS PER CHARTS.

NOTE: IMPACT RATED PRODUCTS SHALL USE 3/16" TAPCONS IN ALL CASES.



Engr: DR. HUMAYOON FAROOQ  
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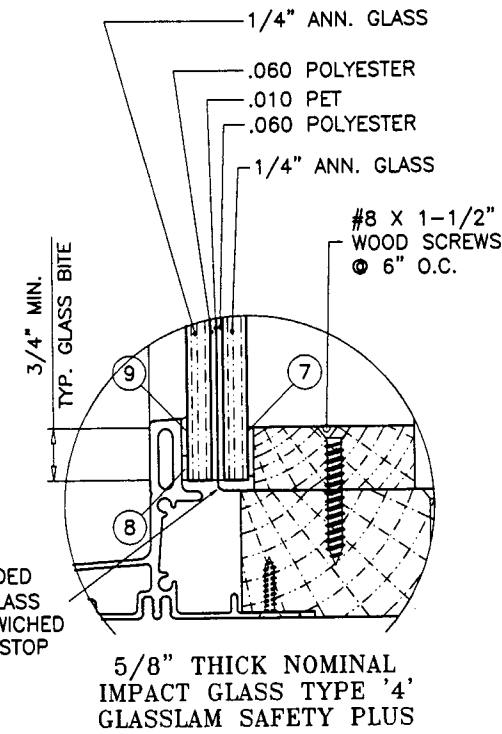
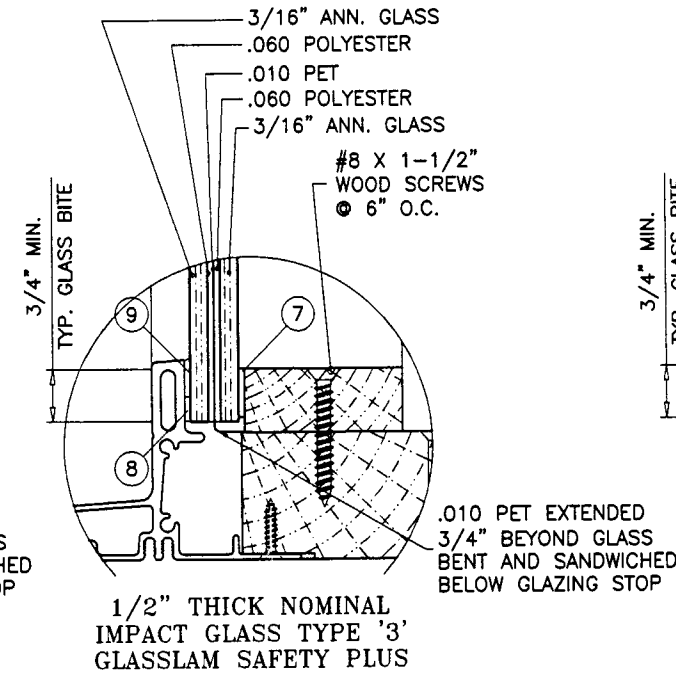
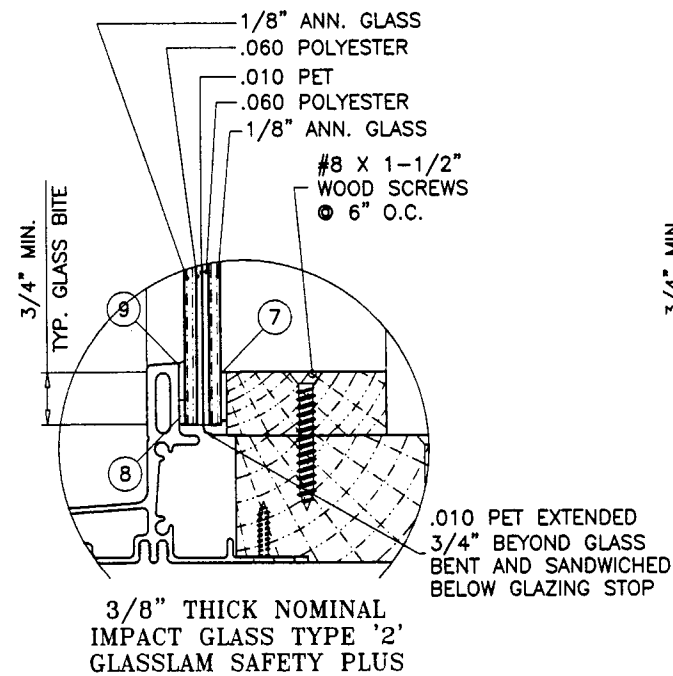
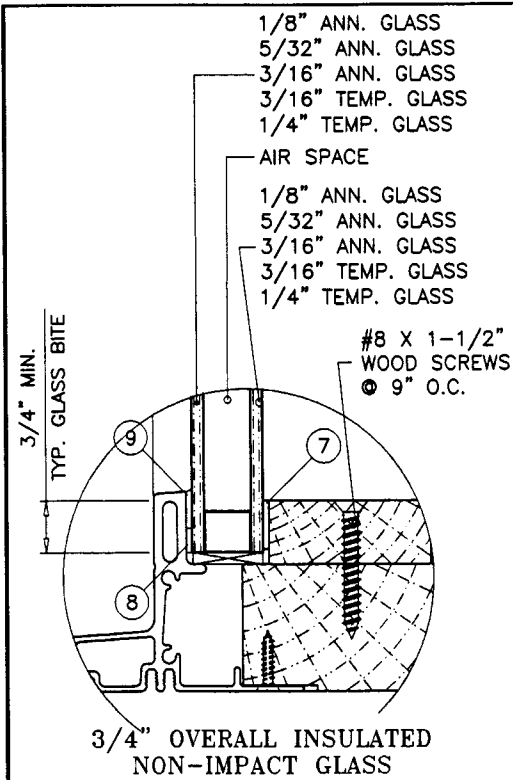
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201 EVANS ROAD  
RANTOUL, ILLINOIS 61866  
TEL. (217) 893-4444 FAX (217) 893-0921

Revisions:  
no date by description

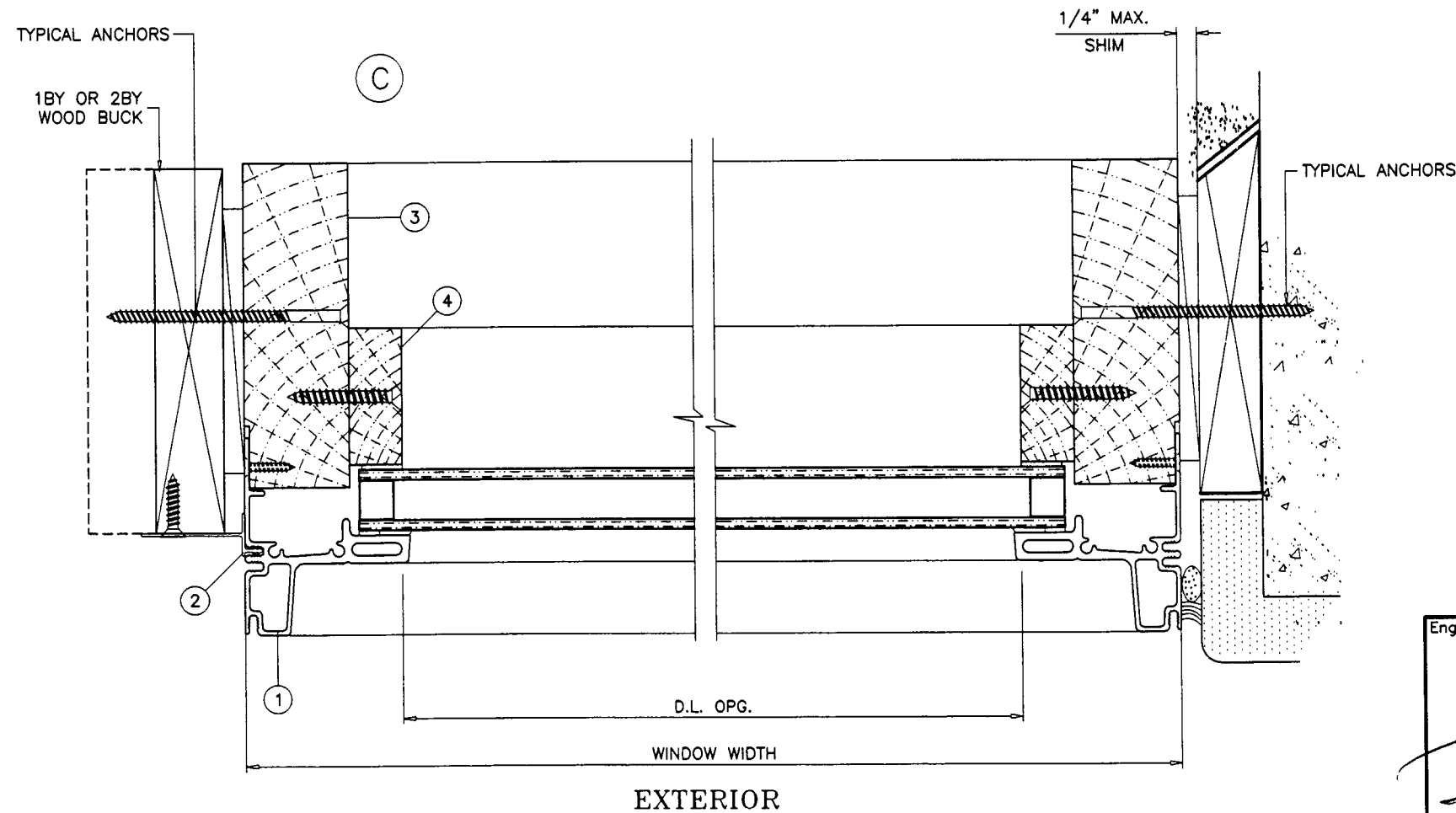
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dr. by: HAMID  
chk. by:

drawing no.  
**W98-80**

sheet 4 of 8



### GLASS OPTIONS



Engr: DR. HUMAYOON FAROOQ  
STRUCTURES  
FLA. PE # 16557

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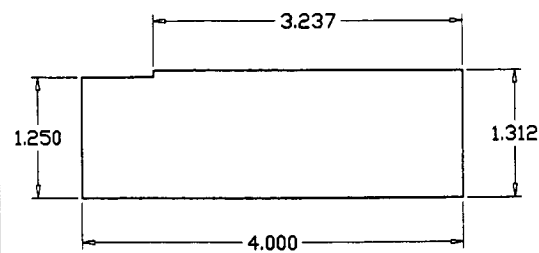
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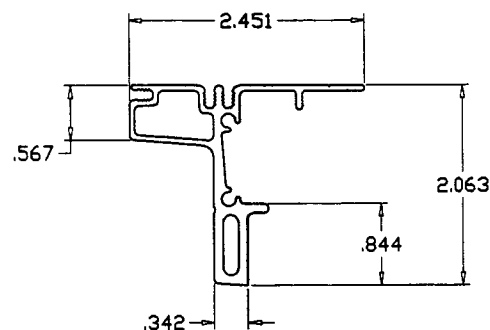
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chk. by:

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**W98-80**  
sheet 5 of 8

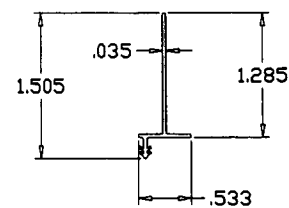




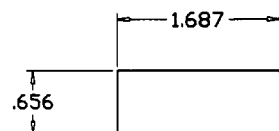
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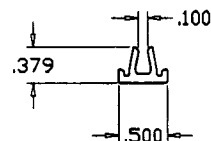
FRAME NOSING



NAILING FIN

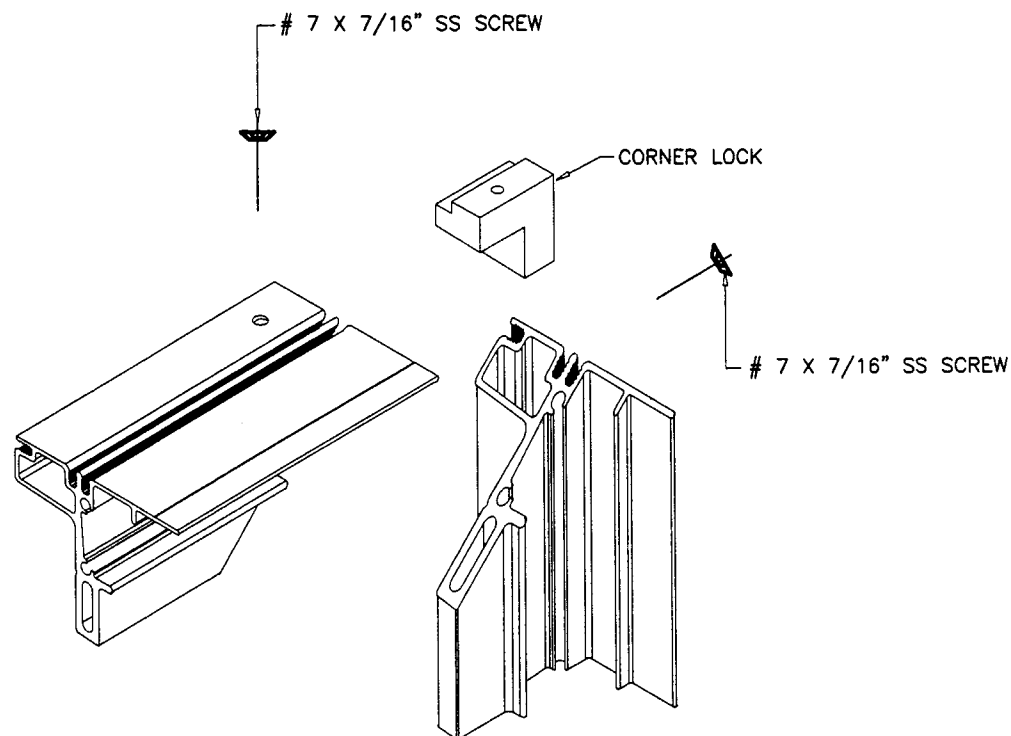


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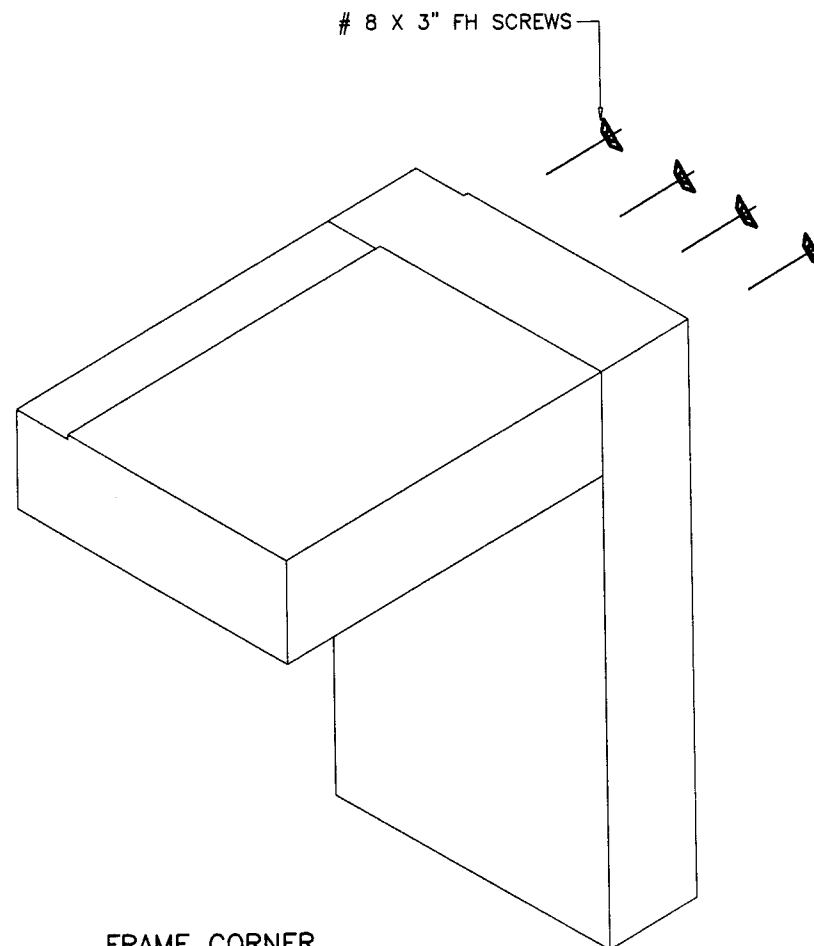


MULLION CONNECTOR

ALL WOOD COMPONENTS TO BE  
WHITE PINE OR PONDEROSA PINE.



FRAME NOSING CORNER



FRAME CORNER

FRAME CORNERS SEALED WITH BUTYL TAPE SEALANT ( DEVAN # 269 )  
BUTYL CAULK USED IN BETWEEN ALUMINUM/WOOD JOINTS.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

NOV 27 2001

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afc

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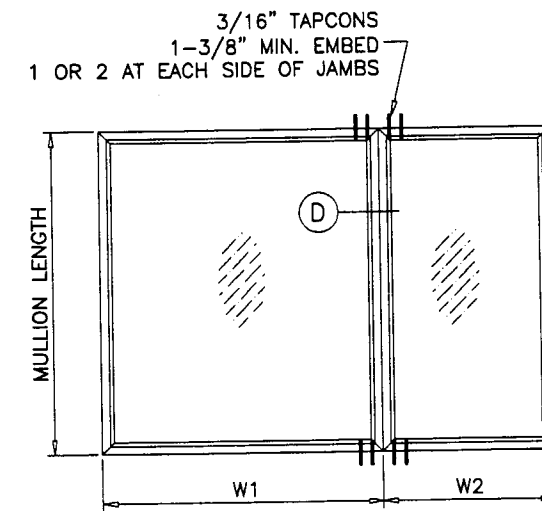
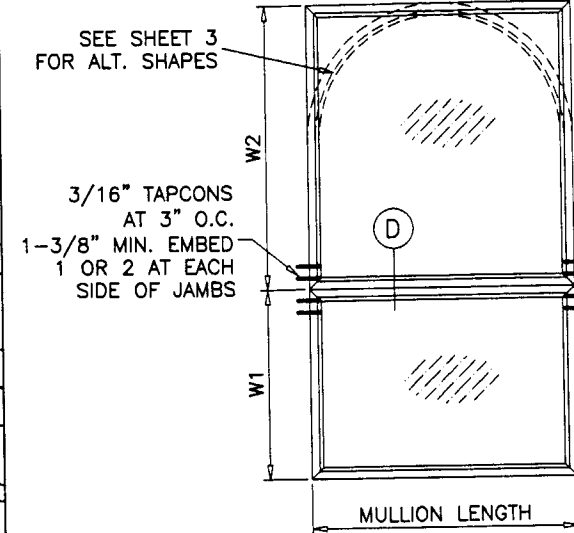
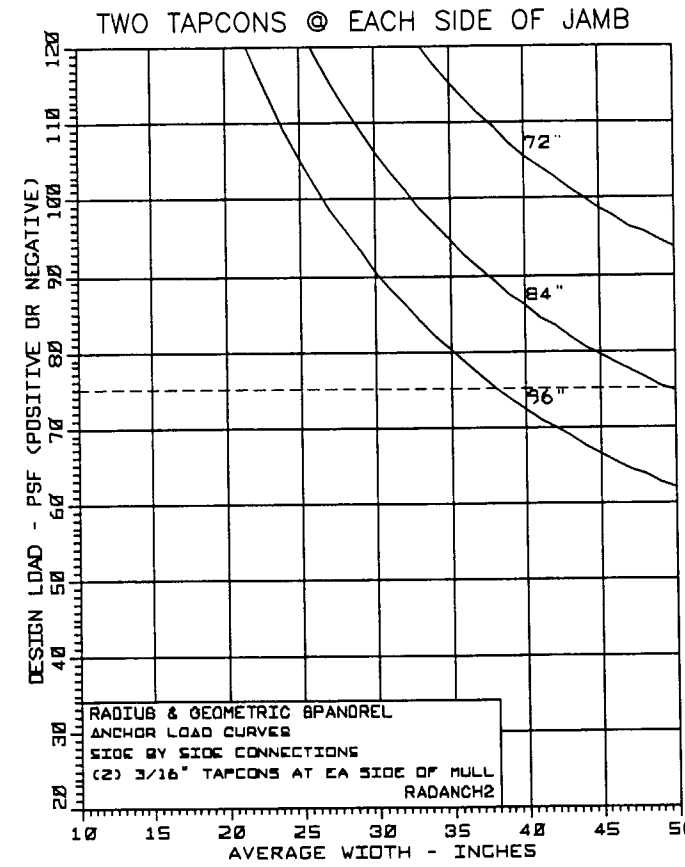
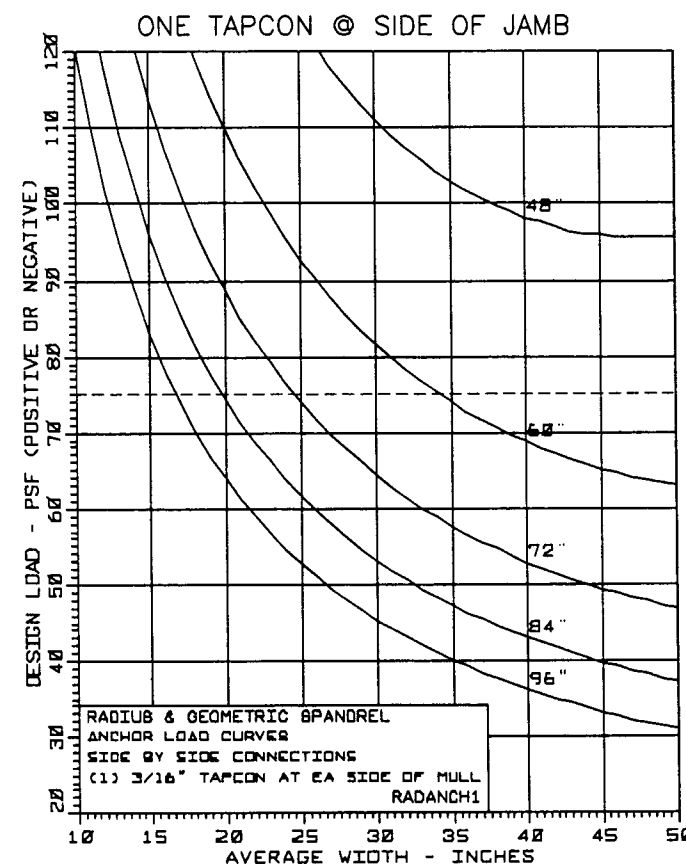
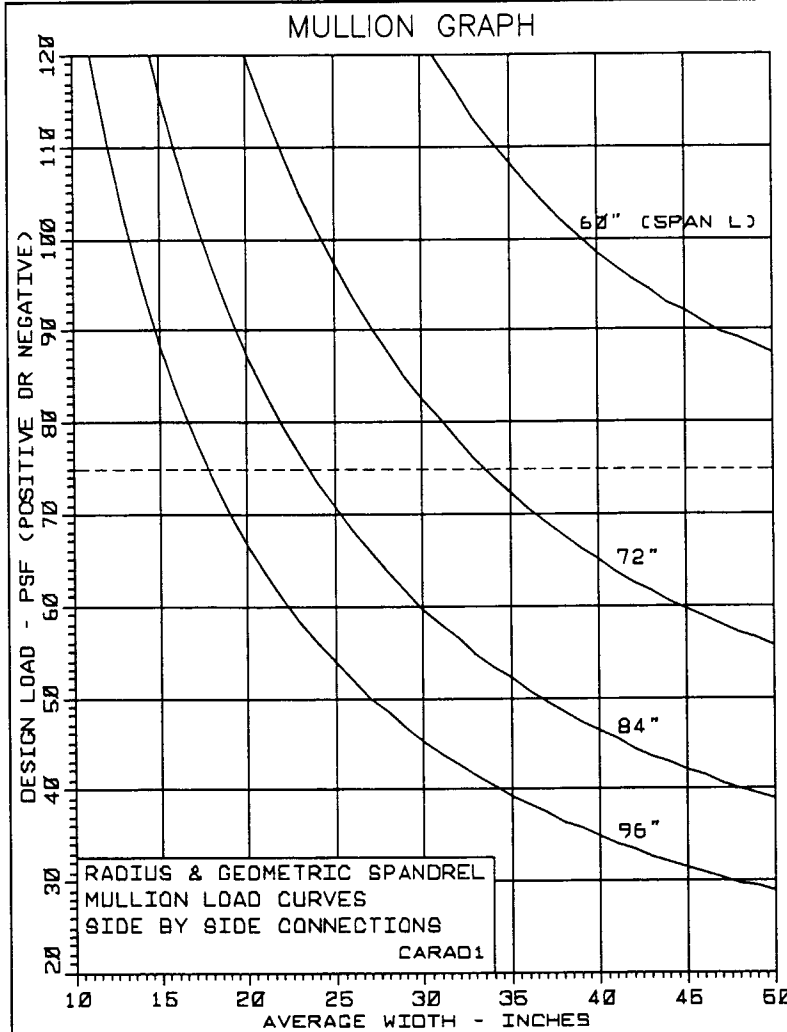
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no	date	

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dr. by: HAMID  
chk. by:

drawing no.  
W98-80

sheet 6 of 8

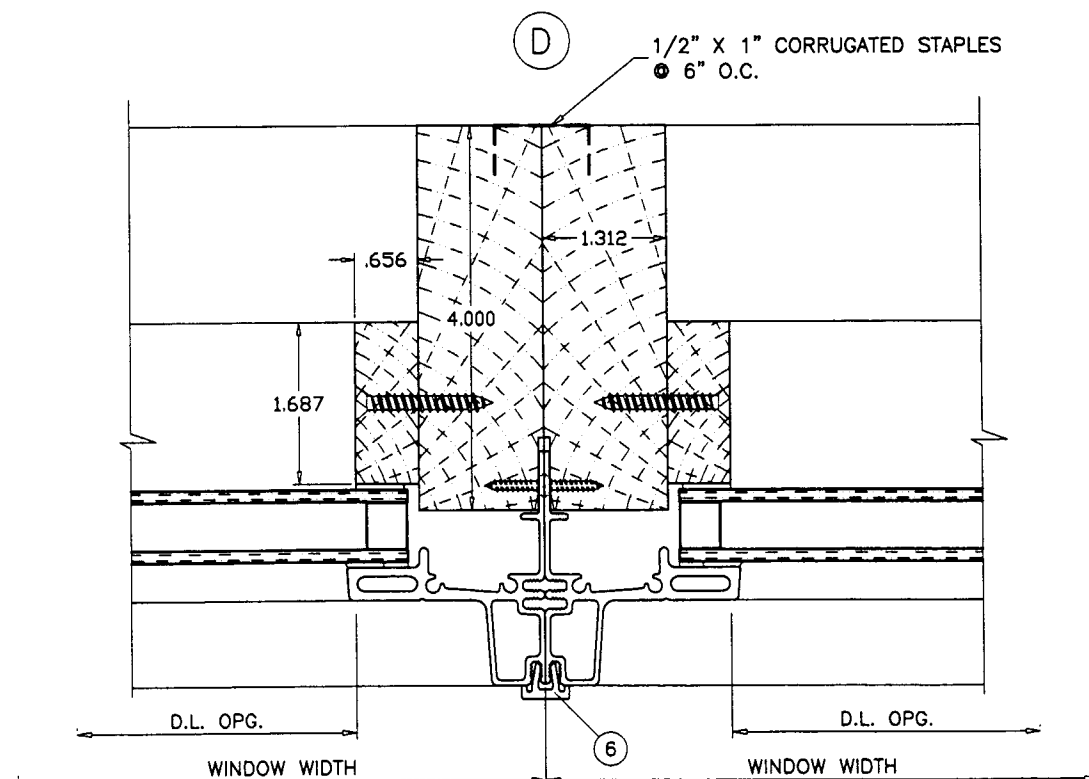
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### WINDOWS SIDE BY SIDE CONNECTIONS

THE CURVES ON THESE GRAPHS SHOWS MULLION LENGTHS  
SEE SKETCH FOR REFERENCE

FOR IMPACT RATED PRODUCTS LIMIT MULLION OR ANCHOR LOAD CAPACITY TO 75 PSF



EXTERIOR  
VERTICAL OR HORIZONTAL SECTION

### NOTES:

1. USE GRAPH ON THIS SHEET FOR SIDE BY SIDE CONNECTION CAPACITY OF FIXED WINDOW MULLION.
2. FOR FIXED WINDOW CAPACITY SEE SHEET 1 AND 2.
3. USE SMALLER DESIGN LOAD CAPACITY OF 1 OR 2 ABOVE.

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NOV 27 2001

### TYPICAL ELEVATIONS

SIDE BY SIDE WINDOWS

SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

$$\text{AVG. WIDTH} = \frac{W1 + W2}{2}$$

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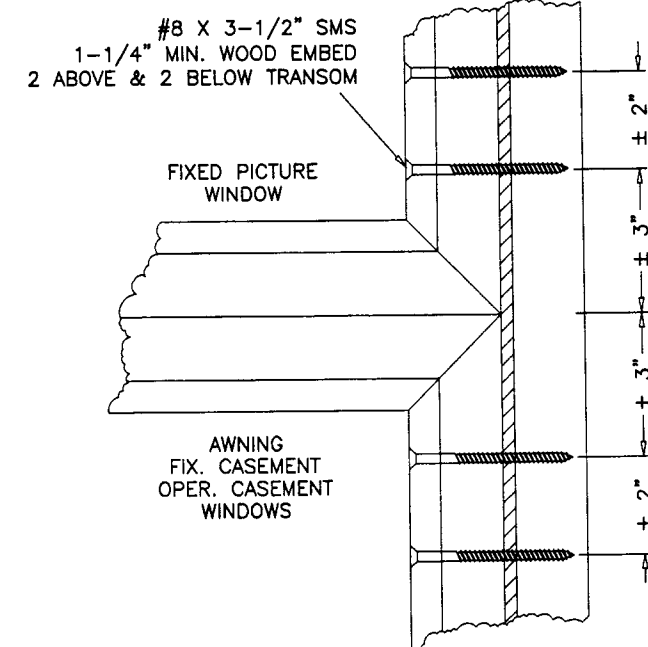
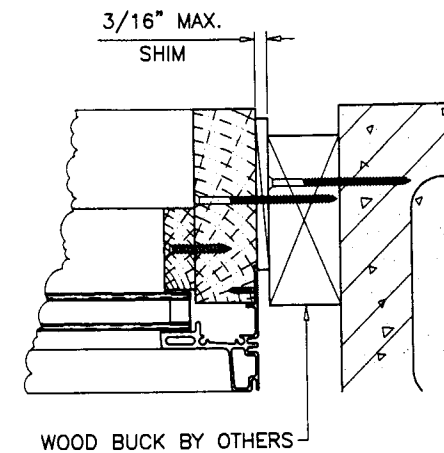
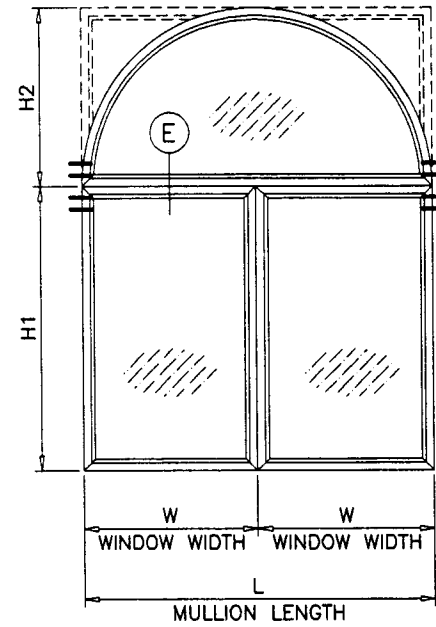
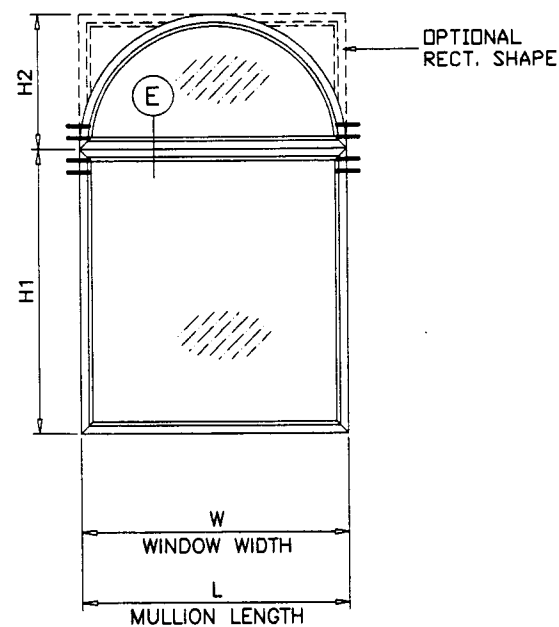
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ENGINEERS, PLANNERS & PRODUCT DESIGN  
1235 SW 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 262-8100 FAX. (305) 262-6978  
COMP-ANL W98-80CO

**'CAR CLAD' WOOD FIXED WINDOW**  
**CARADCO** WOOD WINDOWS & PATIO DOORS  
201 EVANS ROAD  
RANTOUL, ILLINOIS 61866  
TEL. (217) 893-4444 FAX (217) 893-0921

revisions:	no.	date	by	description
	A	06.09.99	H	MULLION DIMS. ADDED

date: 10-10-98  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W98-80**  
sheet 7 of 8

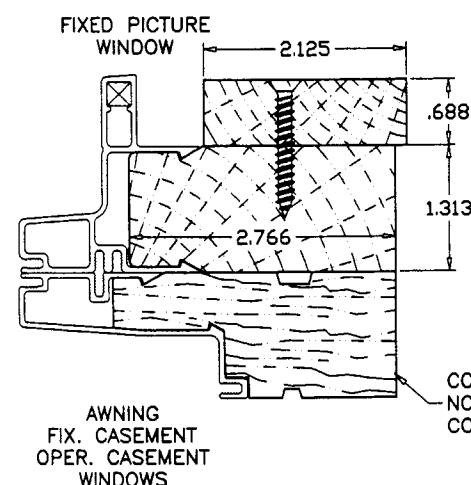


MULLION ANCHOR DETAIL

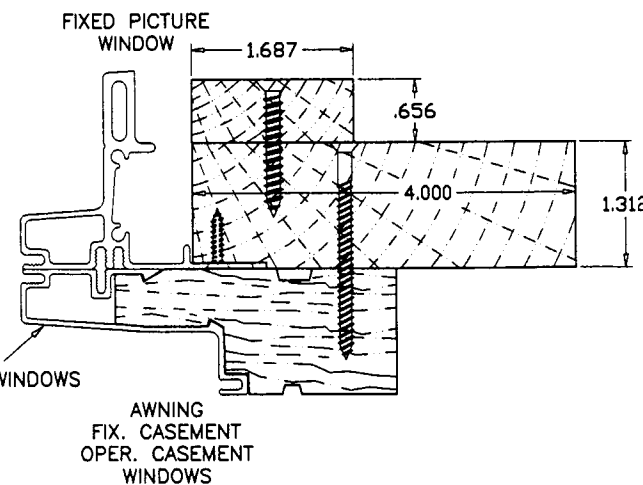
STRUCTURAL CAPACITY - PSF					
WINDOW SIZE				COMBINATION	
W	L	H1	H2	1A	1AX
17"	17"	30"	10.5"	100.0	100.0
UPTO					
40"	40"	30"	22"	76.8	100.0
		36"			
		48"			
		60"			
48"	48"	72"	26"	44.7	65.0
		30"			
		36"			
		48"			
		60"			
		72"			

STRUCTURAL CAPACITY - PSF					
WINDOW SIZE				COMBINATION	
W	L	H1	H2	1A	1AX
17"	34"	30"	19"	100.0	100.0
		36"		94.0	100.0
		48"		77.2	100.0
		60"		65.4	95.0
20"	40"	72"	22"	56.8	82.5
		30"		71.8	100.0
		36"		64.4	93.5
		48"		53.4	77.5
24"	48"	60"	26"	45.6	66.2
		72"		39.7	57.7
		30"		46.3	67.3
		36"		41.8	60.8

FOR IMPACT RATED PRODUCTS LIMIT MULLION OR ANCHOR LOAD CAPACITY TO 75 PSF



COMBINATION '1A'



COMBINATION '1AX'

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557

NOV 27 2001

PRODUCT RENEWED

ACCEPTANCE No. 01-1203.13

EXPIRATION DATE November 30, 2006

By: *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

**AL-FAROOQ CORPORATION**  
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